

CONTENTS

	<u>Page</u>
I- INTRODUCTION	1
II- REVEIW OF LITERATURE	3
III- MATERIALS AND METHODS	12
IV- RESULTS AND DISCUSSIONS.....	31
(1): <u>Genetics studies :</u>	
<u>Genetic variance components :.....</u>	31
1- Earliness	33
2- Plant height	38
3- Number of fruits/ plant	42
4- Number of seeds/ fruit	46
5- Weight of seeds/ plant	51
6- Weight of 1000 seeds.....	56
(2): <u>Cytological studiess :</u>	
1- Karyotype studies	66
2- Miotic studies	88
3- Pollen stainability	110
V- SUMMARY	116
VI- LITERATURE CITED	120
- ARABIC SUMMARY.	